LISTING OF CLAIMS

Claim 1 (Currently Amended):   A method of transferring data from a ~~database~~ client system to a ~~database~~ server system, wherein said ~~database~~ client system and said ~~database~~ server system are connected by a network, ~~wherein said database server enables storage and access of said data in response to structured queries received from said database client,~~ said method being performed in said ~~database~~ client system, said method comprising:

determining in said ~~database~~ client system whether to send said data in a compressed format, ~~wherein said data is contained in a database query to be sent to said database server;~~

if it is determined to send said data in said compressed format, compressing said data to generate compressed data using a compression approach and sending said compressed data to said ~~database~~ server system on said network; and

otherwise, sending said data in an uncompressed format to said ~~database~~ server system on said network,

wherein said determining checks a processing load on said ~~database~~ server system and determines not to send said data in said compressed format if the processing load on said ~~database~~ server system is determined to be more than a first threshold.

Claims 2 - 3 (Canceled)

Claim 4 (Original): The method of claim 1, wherein said determining checks a type of said data and determines not to send said data in said compressed format if said type does not lend to substantial data compression.

Claim 5 (Original): The method of claim 1, wherein said determining examines a size of said data and determines not to send said data in said compressed format if said size is small.

Claim 6 (Previously Presented): The method of claim 5, wherein said determining further checks a speed of data transfer on said network and determines not to use said compressed format if said speed is high.

Claim 7 (Canceled)

Claim 8 (Previously Presented): The method of claim 1, wherein said determining further checks a speed of data transfer on said network and determines not to use said compressed format if said speed is high,

wherein said speed is determined by including a first local time stamp in a packet sent to said database server, and receiving a second time stamp and a third time stamp from said database server-at a time specified by a fourth local time stamp, wherein said second time stamp indicates a time at which said packet is received in said database server and said third time stamp indicates a time at which said packet is sent from said database server-, wherein said speed is determined based on said first local time stamp, said second time stamp, said third time stamp, and said fourth time stamp.

Claim 9-10 (Canceled)

Claim 11 (Withdrawn and Currently Amended): A computer readable medium ~~carrying~~ storing one or more sequences of instructions for causing a ~~first end~~ client system to transfer data to a ~~second end~~ server system, wherein said ~~first end~~ client system and said ~~second end~~ server system are connected by a network, ~~wherein said first end system is one of a database server and a database client and said second end system is the other one of said database server and said database client, wherein said database server enables storage and access of said data in response to structured queries received from said database client,~~ wherein execution of said one or more sequences of instructions by one or more processors contained in said ~~first end~~ client system causes said ~~one or more processors~~ client system to perform the actions of:

determining in said ~~first end~~ client system whether to send said data in a compressed format~~, wherein said data is contained in a database query to be sent to said second system~~;

if it is determined to send said data in said compressed format, compressing said data to generate compressed data using a compression approach and sending said compressed data to said ~~second end~~ server system on said network; and

otherwise, sending said data in an uncompressed format to said ~~second end~~ server system on said network,

wherein said determining comprises: ~~checks~~

        receiving a parameter representing a processing load in a previous time duration on said ~~second end~~ server system,

examining said processing load in the form of said parameter to determine whether said processing load in said previous time duration on said server system is more than a first threshold; and

concluding ~~determines~~ not to send said data in said compressed format if the processing load in said previous time duration on said ~~second end~~ server system is ~~determined to be~~ more than [[a]] said first threshold.

Claims 12 - 13 (Canceled)

Claim 14 (Withdrawn): The computer readable medium of claim 11, wherein said determining checks a type of said data and determines not to send said data in said compressed format if said type does not lend to substantial data compression.

Claim 15 (Withdrawn): The computer readable medium of claim 11, wherein said determining examines a size of said data and determines not to send said data in said compressed format if said size is small.

Claim 16 (Withdrawn): The computer readable medium of claim 15, wherein said determining further checks a speed of data transfer on said network and determines not to use said compressed format if said speed is above a second threshold.

Claim 17 (Canceled)

Claim 18 (Withdrawn and Currently Amended): The computer readable medium of claim 11, wherein said determining further checks a speed of data transfer on said network and determines not to use said compressed format if said speed is above a second threshold, wherein said speed is determined by including a first local time stamp in a packet sent to said ~~second end~~ server system, and receiving a second time stamp and a third time stamp from said ~~second end~~ server system at a time specified by a fourth local time stamp, wherein said second time stamp indicates a time at which said packet is received in said ~~second end~~ server system and said third time stamp indicates a time at which said packet is sent from said ~~second end~~ server system, wherein said speed is determined based on said first local time stamp, said second time stamp, said third time stamp, and said fourth time

stamp.

Claim 19 (Withdrawn and Currently Amended): The computer readable medium of claim 11, wherein said ~~first end~~ client system is a database client, and said ~~second end~~ server system is a database server such that data is transferred from said database client to said database server.

Claim 20 (Withdrawn): The computer readable medium of claim 11, wherein said data comprises software instructions.

Claims 21-29 (Canceled)

Claim 30 (Currently Amended): The method of claim 1, wherein said determining checks said processing load in a plurality of corresponding previous time durations on said ~~database~~ server system including at a first time instance and then at a second time instance, and determines not to send data in said compressed format between said first time instance and said second time instance if the processing load determined at said first time instance is more than said first threshold.

Claim 31 (Currently Amended): The method of claim 30, wherein said determining checks processing load on said ~~database~~ client system and determines to send said data in said compressed format if the processing load on said ~~database~~ server system is not more than said first threshold and if the processing load on said ~~database~~ client system is not more than a second threshold.

Claim 32 (Withdrawn and Currently Amended): The computer readable medium of claim 11, wherein said determining checks said processing load in corresponding previous time durations on said ~~second end~~ server system periodically including at a first time instance, then at a second time instance and then at a third time instance, and determines not to send data in said compressed format between said first time instance and said second time instance if the processing load at said first time instance is more than said first threshold, wherein said determining further determines to send data in said compressed format between

said second time instance and said third time instance if the processing load at said second time instance is not more than said first threshold.

Claim 33 (Withdrawn and Currently Amended): The computer readable medium of claim 32, wherein said determining checks processing load on said ~~first end~~ client system and determines to send said data in said compressed format if the processing load on said ~~second end~~ server system is not more than said first threshold and if the processing load on said ~~first end~~ client system is not more than a second threshold.

Claims 34-35 (Canceled)

Claim 36 (Currently Amended): A computing system comprising:
a ~~database~~ server system to enable storage and access of data ~~using structured query language (SQL)~~;
a network to provide connectivity to said ~~database~~ server system; and
a ~~second end~~ client system comprising:

> a client block to generate ~~a database query according to said SQL to be sent to said database server, wherein said database query contains~~ a data to be stored in said database server;
> a session layer block to establish a connection with said ~~database~~ server system on said network, wherein said connection enables sending of said ~~database query~~ data to said ~~database~~ server system; and
> a compression block to:
>> receive a parameter representing a processing load on said server system,
>> examine said processing load in the form of said parameter to determine whether said processing load on said server system is more than a first threshold, and
>> determine ~~whether~~ not to send said data in a compressed format if the processing load on said server system is more than said first threshold,

wherein if it is determined to send said data in a compressed format, said compression block to compress said data to generate compressed data and said session layer block to send said compressed data on said connection to said ~~database~~ server system,

otherwise, said session layer block to send said data in an uncompressed format on said connection to said ~~database~~ server system.

Claim 37 (Currently Amended): The computing system of claim 36, wherein said compression block determines a processing load on said ~~database~~ server system in a corresponding previous time duration at a plurality of time instances, and decides whether or not to send data in said compressed format based on the processing load determined in a preceding time instance.

Claim 38 (Currently Amended): The computing system of claim 37, wherein said ~~second end~~ client system comprises a database client and said server system comprises a database server such that data is transferred from said database client to said database server.

Claim 39 (Canceled)

Claim 40 (New): A computer readable medium storing one or more sequences of instructions for causing a client system to transfer data to a server system, wherein said client system and said server system are connected by a network, wherein execution of said one or more sequences of instructions by one or more processors contained in said client system causes said client system to perform the actions of:

receiving a parameter representing a processing load on said server system;

examining said processing load in the form of said parameter to determine whether said processing load on said server system is more than a first threshold;

determining not to send said data in a compressed format if the processing load on said server system is more than said first threshold;

if it is determined to send said data in said compressed format, compressing said data to generate compressed data using a compression approach and sending said compressed data to said server system on said network; and

otherwise, sending said data in an uncompressed format to said server system on said network.